

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Permitting and Compliance Division
Waste and Underground Tank Management Bureau
Solid Waste Management Section
Metcalf Building
PO Box 200901
Helena, MT 59620-0901

***CHECKLIST ENVIRONMENTAL ASSESSMENT
SEPTIC TANK PUMPERS***

1. PROJECT PURPOSE AND NEED FOR AGENCY ACTION:

Mr. Howard Shawver, owner of AFAB Sump and Septic, has submitted an New Disposal Site Application for Montana Septic Tank Pumpers License (*STP License # S-959*). AFAB Sump and Septic is located in Custer County at 1006 North Sewell in Miles City, Montana and conducts business in the following Montana counties: Custer, Garfield, Prairie, Fallon, Yellowstone, Powder River, Rosebud, McCone, Treasure, Gallatin and Dawson.

The purpose of this Environmental Assessment (EA) checklist is to document environmental issues related to the disposal of attended car wash bay sump waste on the Mac's Frontierland, Inc. Property located in the Section 26, T8N, R47E, Custer County, Montana.

2. DESCRIPTION OF PROPOSED ACTION:

Septic Tank Pumper Disposal site application for a:

(check one only and complete a separate assessment for each site)

- ☐ Wastewater Treatment Facility
- ☒ Land Application Site
- ☐ Septage Processor or Composter
- ☐ Class II Landfill
- ☐ other (specify)

3. OPERATION & MAINTENANCE (O&M) PLAN:

Source, Types and Amount of Wastes:

- ☐ Septage – estimated total gal/year
- ☐ Portable Toilet/Vault Toilet Type Waste – estimated total gal/year
- ☐ Grease Trap Waste - estimated total gal/year
- ☒ Sump Pumpings (*specify type below*)
 - ☒ Automatic Car Wash Bay Sump - estimated total gal/yr **1,000**
 - ☒ Attended Car Wash Bay Sump - estimated total gal/yr **1,000**
 - ☒ Unattended Car Wash Bay Sump - estimated total gal/yr **1,000**
 - ☒ Other Sump, specify: Automotive Shops estimated total gal/yr **1,000**

4. DISPOSAL SITE CHARACTERISTICS:

| YES | NO | N/A | |
|---|--------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Legal description of proposed disposal site location provided? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | General description of disposal site location provided? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Acreage adequate to manage proposed waste volume? 30'x 30' x 2'deep pit w/12mil liner |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Total proposed volume less than/equal to AAR? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Setback boundaries detailed on site map? (buildings, roads, drainages) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Distance to building greater than 500-feet? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Distance to state surface water greater than 150-feet? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Distance to state, federal, county, or city maintained road greater than 100-feet? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Distance to drinking water supply source greater than 100-feet? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Slope of land surface less than 6-percent? (subsurface injection less than 12%) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Depth to ground water greater than 6-feet? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Landowner's permission of site use provided? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VAPR method provided? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | AAR calculation provided? If not, then: |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Crop/yield information provided? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Current use of proposed disposal site noted? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approval available from WWTP within 25 miles of the point of generation during year when ground frozen or snow covered? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Disposal site property ownership information provided? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Site restrictions noted? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Animal Grazing |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Crop Harvesting |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | List of equipment to manage wastes provided? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Site access control noted? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VAPR method noted? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VAPR method adequate for site conditions? |
| If 'NO' checked for one or more items, provide explanation below | | | |

Site used ONLY for disposal of sump pumpings considered to be clean fill.

5. DESCRIPTION AND ANALYSIS OF REASONABLE ALTERNATIVES WHENEVER ALTERNATIVES ARE REASONABLY AVAILABLE AND PRUDENT TO CONSIDER:

The Department considered three alternatives:

1. ☒ Approve the disposal site. The site meets all of the requirements of the Cesspool, Septic Tank, and Privy Cleaners Act (Act). The site soils, slope, depth to ground water, approvals, and setback requirements have been met.
2. ☐ Not approve the land application site. The site fails to meet the requirements of the Act.
3. ☐ Have the applicant seek an alternative site. If this alternative is chosen, the applicant will have to seek another site for land application and could spend a large amount of time and potentially money to locate, study, and license another site suitable for septage land application.

6. EVALUATION OF MITIGATION, STIPULATIONS AND OTHER CONTROLS ENFORCEABLE BY THE AGENCY OR ANOTHER GOVERNMENT AGENCY:

The proposed land application site and operation and maintenance plan must meet the requirements of the Montana Septic Tank, Cesspool, and Privy Cleaners Act, Air and Water Quality Acts and other Montana environmental laws and regulations as well as County ordinances. Compliance with these laws and regulations should keep any environmental effects to a minimum. The licensee will operate the site under the guidelines of the approved Operations Plan.

7. FINDINGS:

The Department finds that there would be little or no impacts to the physical and human environment if the septage is treated in a manner consistent with the rules and regulations. Therefore, a checklist EA is the appropriate level of analysis and an Environmental Impact Statement is not needed. This treatment option is a beneficial reuse of a waste product.

EA prepared by: Renai Hill

Date: June 7, 2007

TABLE 1. Predicted Impacts of the Proposed Project on the Physical & Biological Environments.

| RESOURCE | LEVEL OF IMPACT ¹ | | | | | |
|---|------------------------------|----------|-------|------|---------|----------|
| | Major | Moderate | Minor | None | Unknown | Appendix |
| 1. Terrestrial and Aquatic Life and Habitat | | | | ✓ | | |
| 2. Water Quality, Quantity, and Distribution | | | | ✓ | | |
| 3. Geology and Soil Quality, Stability and Moisture | | | | ✓ | | |
| 4. Vegetation Cover, Quantity and Quality | | | | ✓ | | |
| 5. Aesthetics | | | | ✓ | | |
| 6. Air Quality | | | | ✓ | | |
| 7. Unique, Endangered, Fragile or Limited Environmental Resources | | | | ✓ | | |
| 8. Demands on Environmental Resources of Water, Air, and Energy | | | | ✓ | | |
| 9. Historical and Archaeological Sites | | | | ✓ | | |

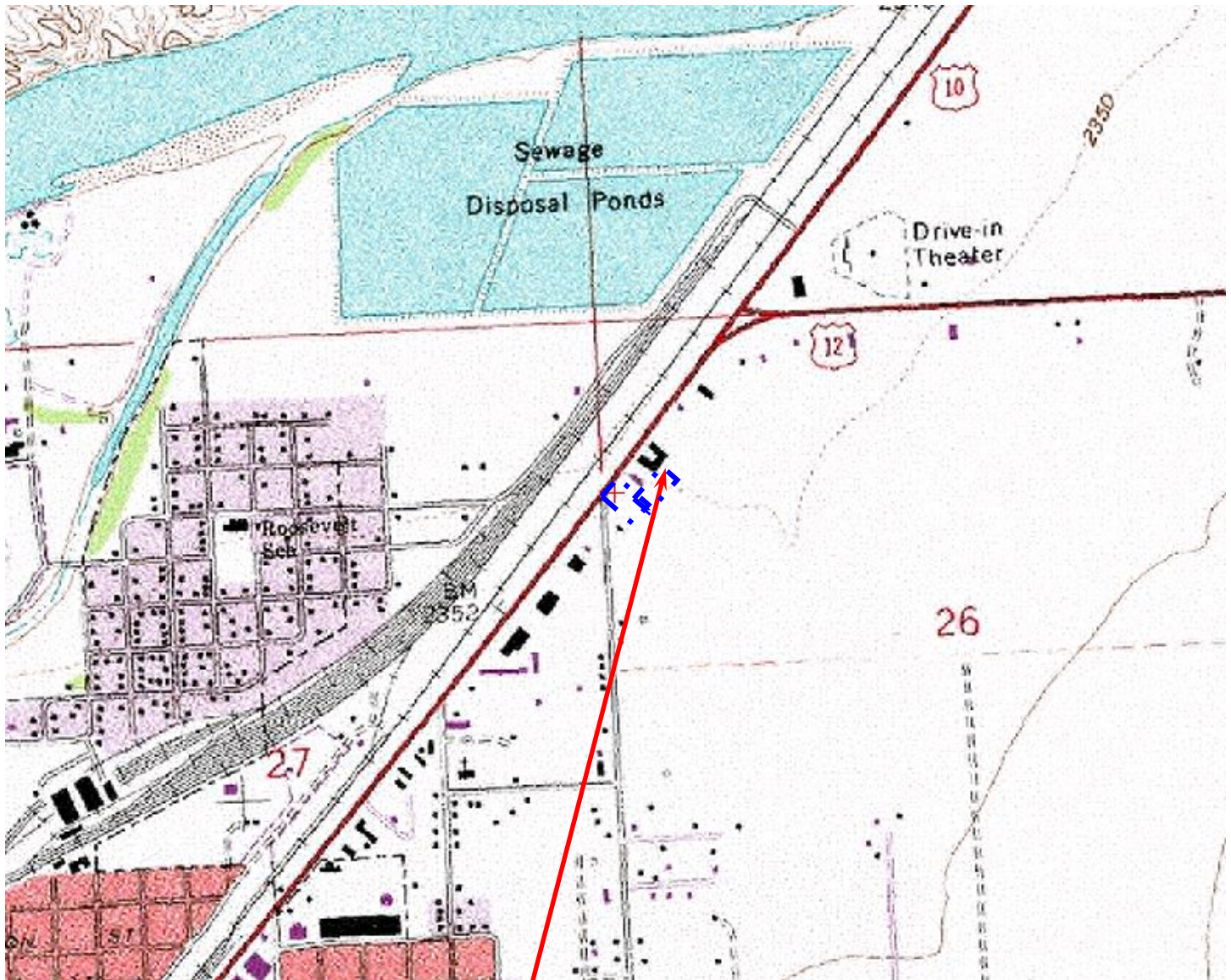
¹ CUMULATIVE IMPACTS: None for the Proposed Project, because compliance with the Montana Cesspool, Septic Tank, and Privy Cleaners Act mitigates impacts on human health and the environment and no other projects affect the area.

TABLE 2. Predicted Impacts of the Proposed Project on the Social & Economic Environments.

| RESOURCE | LEVEL OF IMPACT ¹ | | | | | |
|--|------------------------------|----------|-------|------|---------|----------|
| | Major | Moderate | Minor | None | Unknown | Appendix |
| 1. Social Structure and Mores | | | | ✓ | | |
| 2. Cultural Uniqueness and Diversity | | | | ✓ | | |
| 3. Local and State Tax Base and Tax Revenue | | | | ✓ | | |
| 4. Agricultural or Industrial Production | | | | ✓ | | |
| 5. Human Health | | | | ✓ | | |
| 6. Access to and Quality of Recreational and Wilderness Activities | | | | ✓ | | |
| 7. Quantity and Distribution of Employment | | | | ✓ | | |
| 8. Distribution of Population | | | | ✓ | | |
| 9. Demands for Government Services | | | | ✓ | | |
| 10. Industrial and Commercial Activity | | | | ✓ | | |
| 11. Locally Adopted Environmental Plans and Goals | | | | ✓ | | |

¹ CUMULATIVE IMPACTS: None for Proposed Project, because compliance with the Montana Cesspool, Septic Tank, and Privy Cleaners Act mitigates impacts on human health and the environment and no other projects affect the area.

**Figure 1: AFAB Sewer and Septic
STP License #S-959
Land Application Site Map**



Approximate pit site location